

ABSTRACT OF THE DISCLOSURE

A silent chain and sprocket assembly is disclosed for use with a chain tensioner that provides driving contact on both sides of the chain and improved system 5 wear, noise and vibration characteristics without adding to the chain's weight or material costs. The front-side sprockets employ sprocket teeth and engage the front-side silent chain links in conventional fashion. The back-side driven sprockets differ from prior silent chain sprockets 10 in that the sprockets employ small protrusions instead of traditional teeth. The silent chain engages a back-side sprocket protrusion using the geometry of either a single link, or that of two adjacent links, as the chain wraps on the back-side sprocket.

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